

## WPANT30070-S1A

### 3G Cellular & ISM band Body-mount Antenna



### Description / Application

This is a 3G Cellular & ISM band, miniaturized body-mount antenna. Small size and ease of integration make this an ideal choice for applications where space is a constraint. Standard cable is 1.32mm Micro Co-ax and connector is IPX / Hirose equivalent.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact [sales@worldproducts.com](mailto:sales@worldproducts.com) with your specific application requirements.

### Electrical Properties

<b>Operating Frequency</b>	824 – 960 MHz	1710 – 2170 MHz
<b>Approximate Antenna Impedance [<math>\Omega</math>]</b>	50 $\Omega$	50 $\Omega$
<b>VSWR – Typical</b>	< 3:1	< 3:1
<b>Peak Gain [dBi] (Typical)</b>	2 dBi	3.5 dBi
<b>Efficiency [%] (Typical)</b>	60 %	60 %
<b>Polarization</b>	Linear	Linear
<b>Pattern</b>	Near Omni-directional	Near Omni-directional
<b>Accepted Power [W] (Max)</b>	2 Watts	2 Watts

### Mechanical / Environmental Properties

<b>Antenna Dimensions**</b>	2" X 1.1" X 0.8" (50mm X 27mm X 20mm)
<b>Antenna Color</b>	Black
<b>Cable</b>	8" long 1.32mm dia Micro Co-ax U.FL
<b>Connector</b>	IPX / Hirose equivalent
<b>Tape</b>	Standard 3M 4920 double stick
<b>External Bottom Gasket Material</b>	Standard 3M 6208 foam
<b>Nut</b>	Standard Nylon M12
<b>Antenna Plastic Radome</b>	ABS + Polycarbonate
<b>Operating / Storage Temperature</b>	-40°C to +90°C
<b>Environmental</b>	Salt Spray Resistant, Water Ingress Resistant, UV Resistant, Ageing Resistant, Meets standards for UL 94V-0
<b>Hazardous Materials</b>	RoHS Compliant

\*\*Height includes the 3M tape & foam gasket thickness.

Pictures of the Antenna



**VSWR of the Antenna**

